

Title (en)

ELECTROCHEMICAL DOUBLE-LAYER ENERGY STORAGE CELLS WITH HIGH ENERGY DENSITY AND HIGH POWER DENSITY

Title (de)

ENERGIESPEICHERZELLEN MIT ELEKTROCHEMISCHER DOPPELSCHICHT MIT HOHER ENERGIE- UND LEISTUNGSDICHTE

Title (fr)

CELLULES DE STOCKAGE D'ENERGIE A DOUBLE COUCHE ELECTROCHIMIQUE A HAUTE DENSITE D'ENERGIE ET FORTE DENSITE DE PUISSANCE

Publication

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Application

EP 01997822 A 20011126

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- FR 0015283 A 20001127

Abstract (en)

[origin: WO0243088A2] The invention concerns a method for preparing activated carbons based on wood, preferably softwood and in particular pine wood, for making electrodes for energy storage cells, particularly for super-capacitors. Said activated carbons have a volume of mesopores less than 75 % of the total pore volume and a volume of micropores less than 57 % of the total pore volume. The invention also concerns a method for making an electrode for energy storage cell, comprising the application of such an activated carbon on a support, preferably by coating derived from a slurry. The energy storage cells using said activated carbons advantageously provide a better compromise between energy density and power density.

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H01G 9/058

IPC 8 full level

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See references of WO 0243088A2

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